AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

1-2. (Cancelled)

- 3. (Previously Presented): A photocatalyst sheet comprising:
- a substrate made of glass fiber,
- a coated layer made of polytetrafluoroethylene (PTFE) coated on both sides of said substrate, and
 - a photocatalyst-containing layer coated on at least one side of said coated layer,

wherein said photocatalyst-containing layer contains tetrafluoroethylene-hexafluoropropylene copolymer (FEP) and apatite-coated photocatalyst particles having low water solubility,

said photocatalyst particles contain titanium oxide, and said apatite is either of apatite hydroxide, apatite carbonate, apatite fluoride, or apatite chloride, or a mixture thereof,

the particle diameter of said photocatalyst particles is 1 nm to 100 nm,

the ratio of said apatite-coated photocatalyst particles to said photocatalyst-containing layer is 10-40 weight %,

the coating quantity of said apatite coated on said photocatalyst particles is such that the weight loss ratio of the whole of said photocatalyst sheet is 10% or less when ultraviolet light of intensity of 18 mW/cm² is irradiated for one hour on the surface of said photocatalyst sheet,

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the water contact angle of said photocatalyst sheet surface is 130 degrees or less,

whereby said coated layer can be peeled from said substrate when a pair of said

photocatalyst sheets are mutually thermally welded to form a welded part and when said welded

part is peeled off by a peeling test at the rate of 50 mm/min.

4. (Cancelled)

5. (Previously Presented): The photocatalyst sheet as set forth in claim 3, characterized

in that the apatite-coated photocatalyst particles fixed in said photocatalyst containing layer have

parts exposed from the surface of said photocatalyst containing layer.

6. (Previously Presented): The photocatalyst sheet as set forth in claim 3, characterized

in that said apatite-coated photocatalyst particles are the photocatalyst particles either a part of

the surface of which is coated with apatite, or a whole surface of which is coated with porous

apatite.

7. (Cancelled)

8. (Previously Presented): The photocatalyst sheet as set forth in claim 3, characterized

in that said photocatalyst particles are either or both of an ultraviolet light responsive type and a

visible light responsive type.

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9-25. (Cancelled)

26. (Previously Presented): A photocatalyst sheet comprising two or more photocatalyst sheets mutually welded to each other, each of said two or more photocatalyst sheets comprising: a substrate made of glass fiber,

a coated layer made of polytetrafluoroethylene (PTFE) coated on both sides of said substrate, and

a photocatalyst-containing layer coated on at least one side of said coated layer,

wherein said photocatalyst-containing layer contains tetrafluoroethylene-hexafluoropropylene copolymer (FEP) and apatite-coated photocatalyst particles having low water solubility,

said photocatalyst particles contain titanium oxide, and said apatite is either of apatite hydroxide, apatite carbonate, apatite fluoride, or apatite chloride, or a mixture thereof,

the particle diameter of said photocatalyst particles is 1 nm to 100 nm,

the ratio of said apatite-coated photocatalyst particles to said photocatalyst-containing layer is 10-40 weight %,

the coating quantity of said apatite coated on said photocatalyst particles is such that the weight loss ratio of the whole of said photocatalyst sheet is 10% or less when ultraviolet light of intensity of 18 mW/cm² is irradiated for one hour on the surface of said photocatalyst sheet,

the water contact angle of said photocatalyst sheet surface is 130 degrees or less,

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whereby said coated layer can be peeled from said substrate when a pair of said

photocatalyst sheets are mutually thermally welded to form a welded part and when said welded

part is peeled off by a peeling test at the rate of 50 mm/min.

27. (New): The photocatalyst sheet as set forth in claim 26, characterized in that the

apatite-coated photocatalyst particles fixed in said photocatalyst containing layer have parts

exposed from the surface of said photocatalyst containing layer.

28. (New): The photocatalyst sheet as set forth in claim 26, characterized in that said

apatite-coated photocatalyst particles are the photocatalyst particles either a part of the surface of

which is coated with apatite, or a whole surface of which is coated with porous apatite.

29. (New): The photocatalyst sheet as set forth in claim 26, characterized in that said

photocatalyst particles are either or both of an ultraviolet light responsive type and a visible light

responsive type.

30. (New): A method of manufacturing photocatalyst sheets as set forth in any one of

claims 3, 5, 6, 8 and 26-29, comprising:

forming the layer made of polyetetrafluoroethylene (PTFE) on both sides of said

substrate made of glass fiber,

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forming said photocatalyst-containing layer containing tetrafluoroethylene-hexa-

fluoropropylene copolymer (FEP) by coating a dispersion containing apatite-coated

photocatalyst particles onto said polytetrafluoroethylene (PTFE) layer, and

fixing said apatite-coated photocatalyst particles with a fluorocarbon resin which

constitutes said photocatalyst-containing layer.

31. (New): A method of manufacturing photocatalyst sheets as set forth in claim 30

characterized in that said dispersion comprises said tetrafluoroethylene-hexa-fluoropropylene

copolymer (FEP), the apatite-coated photocatalyst particles, and water.

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